Title (en)

FLAVOR RETENTION AND RELEASE SYSTEM

Title (de)

AROMARÜCKHALTE- UND FREISETZSYSTEM

Title (fr)

SYSTEME DE RETENTION ET DE LIBERATION D'AROME

Publication

**EP 1322344 B1 20060628 (EN)**

Application

**EP 01973293 A 20010920**

Priority

- US 0129495 W 20010920
- US 67215600 A 20000927

Abstract (en)

[origin: WO0226275A1] A system for retaining and releasing an active compound, such as a volatile flavor oil (50) is provided. A storage layer (60) of foam is located between layers of diffusion material (62,64) which are extrusion coated onto the storage layer (60). A barrier layer, such as a foil material, is peelably bonded to the film layer on one side of the storage layer (60). The resulting composite is adhesively secured to a closure (14), such as a container cap, and remains with the cap. The foil layer is fixedly bonded to a container and remains with the container after the closure (14) is removed by a consumer. With removal of the foil layer and subsequent openings and closings to obtain product within the container, new concentrations of the active compound are created within the container head space and are available for a substantial impact upon subsequent opening.

IPC 8 full level

**A61L 9/04** (2006.01); **B65D 81/26** (2006.01); **A23L 27/00** (2016.01); **A61L 9/12** (2006.01); **B32B 9/00** (2006.01); **B32B 27/32** (2006.01); **B32B 33/00** (2006.01); **B32B 37/00** (2006.01); **B65D 51/24** (2006.01); **B65D 53/00** (2006.01); **B65D 53/04** (2006.01)

CPC (source: EP KR US)

**A61L 9/04** (2013.01 - EP KR US); **A61L 9/042** (2013.01 - EP US); **A61L 9/12** (2013.01 - EP US); **B32B 1/00** (2013.01 - US); **B32B 5/18** (2013.01 - US); **B32B 7/12** (2013.01 - US); **B32B 15/085** (2013.01 - US); **B32B 15/20** (2013.01 - US); **B32B 27/32** (2013.01 - EP US); **B32B 37/153** (2013.01 - US); **B65D 53/04** (2013.01 - EP US); B32B 2266/025 (2013.01 - US); B32B 2305/022 (2013.01 - US); B32B 2307/7242 (2013.01 - US); B32B 2323/10 (2013.01 - US); B32B 2439/40 (2013.01 - US); B32B 2439/70 (2013.01 - US); B65D 85/70 (2013.01 - EP US); Y10T 428/14 (2015.01 - EP US); Y10T 428/1438 (2015.01 - EP US); Y10T 428/1443 (2015.01 - EP US); Y10T 428/1452 (2015.01 - EP US); Y10T 428/1471 (2015.01 - EP US); Y10T 428/1481 (2015.01 - EP US); Y10T 428/1486 (2015.01 - EP US); Y10T 428/24322 (2015.01 - EP US); Y10T 428/24331 (2015.01 - EP US); Y10T 428/24777 (2015.01 - EP US); Y10T 428/249987 (2015.04 - EP US); Y10T 428/249992 (2015.04 - EP US)

Cited by

US11386811B2; US11893910B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0226275 A1 20020404**; **WO 0226275 A9 20021212**; AT E331536 T1 20060715; AU 9288801 A 20020408; DE 60121187 D1 20060810; DE 60121187 T2 20070531; DK 1322344 T3 20061030; EP 1322344 A1 20030702; EP 1322344 A4 20040818; EP 1322344 B1 20060628; ES 2269463 T3 20070401; JP 2004509811 A 20040402; JP 4907045 B2 20120328; KR 100797709 B1 20080123; KR 20030051685 A 20030625; PT 1322344 E 20061130; US 6511726 B1 20030128

DOCDB simple family (application)

**US 0129495 W 20010920**; AT 01973293 T 20010920; AU 9288801 A 20010920; DE 60121187 T 20010920; DK 01973293 T 20010920; EP 01973293 A 20010920; ES 01973293 T 20010920; JP 2002530104 A 20010920; KR 20037004472 A 20030327; PT 01973293 T 20010920; US 67215600 A 20000927